Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/31/2019 10:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123915	-1	3.17	123934	3.23
Blue	F	SSC	125000	125051	0	1.97	125877	1.96
Blue	E	FITC	16122	15537	-4	3.29	337	20.04
Blue	D	PE	29316	28504	-3	2.78	621	14.54
Blue	B	PerCP-Cy5-5	42590	41692	-3	4.07	1120	20.14
Blue	A	PE-Cy7	33146	32897	-1	6.54	630	39.75
Red	C	APC	45473	44963	-2	2.75	1600	12.13
Red	A	APC-Cy7	31961	30973	-4	2.87	818	11.97
Violet	B	V450	7914	7621	-4	3.74	429	12.95
Violet	A	V500	29769	28718	-4	3.41	670	10.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20966	3.97	606	6	N/A	N/A	Pass
Blue	F	SSC	56551	2.01	545	7	N/A	N/A	Pass
Blue	E	FITC	62	65.09	537	0	0.0210	190	Pass
Blue	D	PE	129	48.84	539	2	0.1719	271	Pass
Blue	B	PerCP-Cy5-5	204	49.79	639	1	0.0094	65	Pass
Blue	A	PE-Cy7	117	100.12	694	3	0.0117	22	Pass
Red	C	APC	378	25.42	585	6	0.0246	165	Pass
Red	A	APC-Cy7	180	28.66	561	5	0.0057	1018	Pass
Violet	B	V450	67	59.72	463	3	0.0563	2506	Pass
Violet	A	V500	100	36.03	475	3	0.0236	1188	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.04	-31.71	0.94
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.29	13.60 - 20.40	N/A	N/A	29.27	29.67	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11304

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments